

## Product datasheet for **TA347004**

### Mannose Phosphate Isomerase (MPI) Mouse Monoclonal Antibody [Clone ID: 4G9-B4-B8]

#### Product data:

Product Type:	Primary Antibodies
Clone Name:	4G9-B4-B8
Applications:	IF, WB
Recommended Dilution:	WB: 1:1000, IF: 1:300
Reactivity:	Human, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	The immunogen for MPI antibody: purified recombinant human Mannose Phosphate Isomerase protein fragments expressed in E.coli.
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.02% sodium azide, 50% glycerol
Purification:	Affinity purified
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	54 kDa
Gene Name:	mannose phosphate isomerase
Database Link:	<a href="#">NP_002426</a> <a href="#">Entrez Gene 300741 Rat</a> <a href="#">Entrez Gene 4351 Human</a> <a href="#">P34949</a>
Background:	Phosphomannose isomerase catalyzes the interconversion of fructose-6-phosphate and mannose-6-phosphate and plays a critical role in maintaining the supply of D-mannose derivatives, which are required for most glycosylation reactions. Mutations in the MPI gene were found in patients with carbohydrate-deficient glycoprotein syndrome, type Ib.
Synonyms:	CDG1B; PMI; PMI1
Protein Families:	ES Cell Differentiation/IPS



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**Protein Pathways:** Amino sugar and nucleotide sugar metabolism, Fructose and mannose metabolism, Metabolic pathways